

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P526041

Luminaire Tested: **GALN-SA1A-727-U-5WQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526041
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-1)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA1A-727-U-5WQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2700K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS
WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2018 lumens
Efficiency: N/A
Efficacy: 61.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B1 - U0 - G0

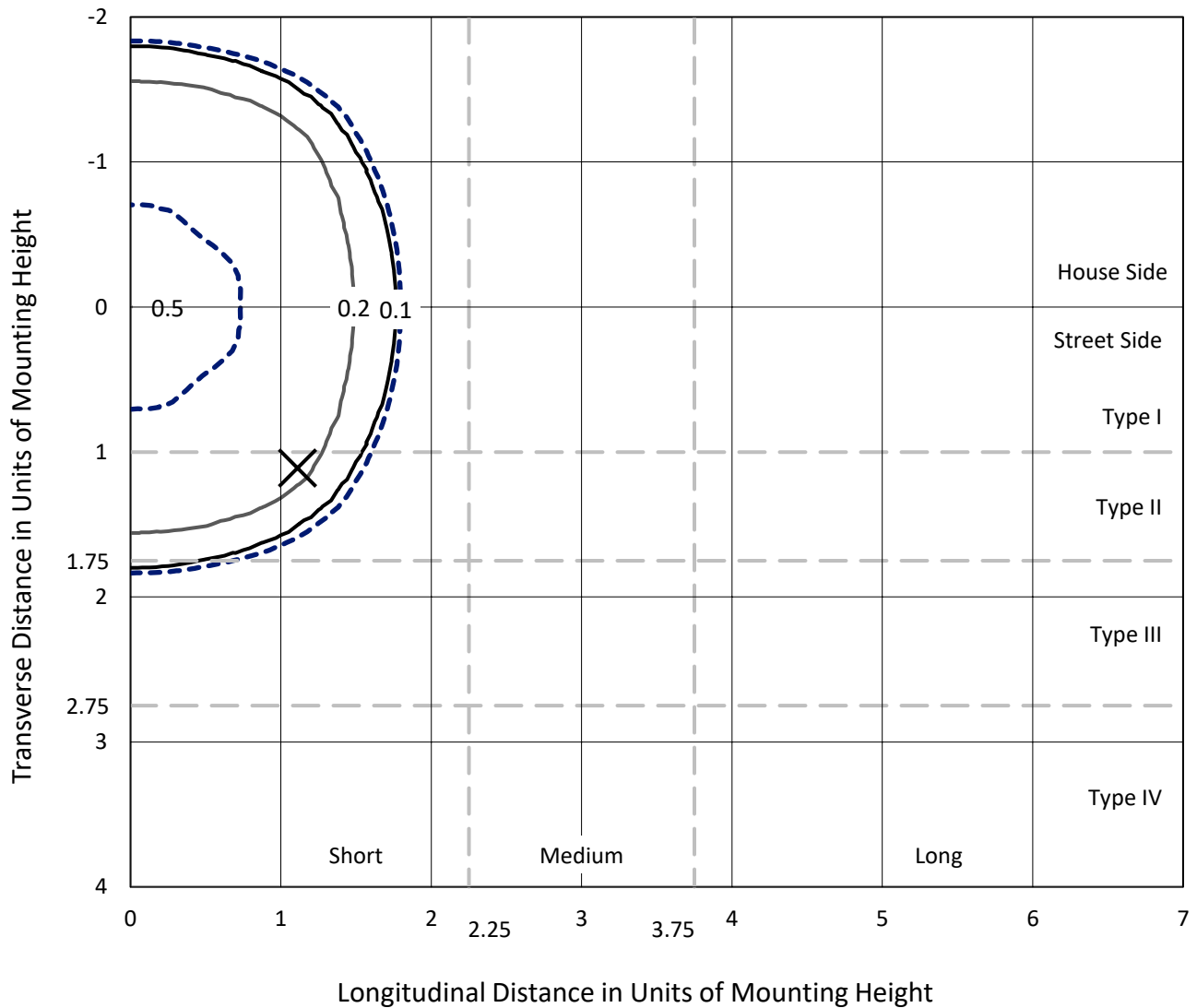
Input Watts (W): 33
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

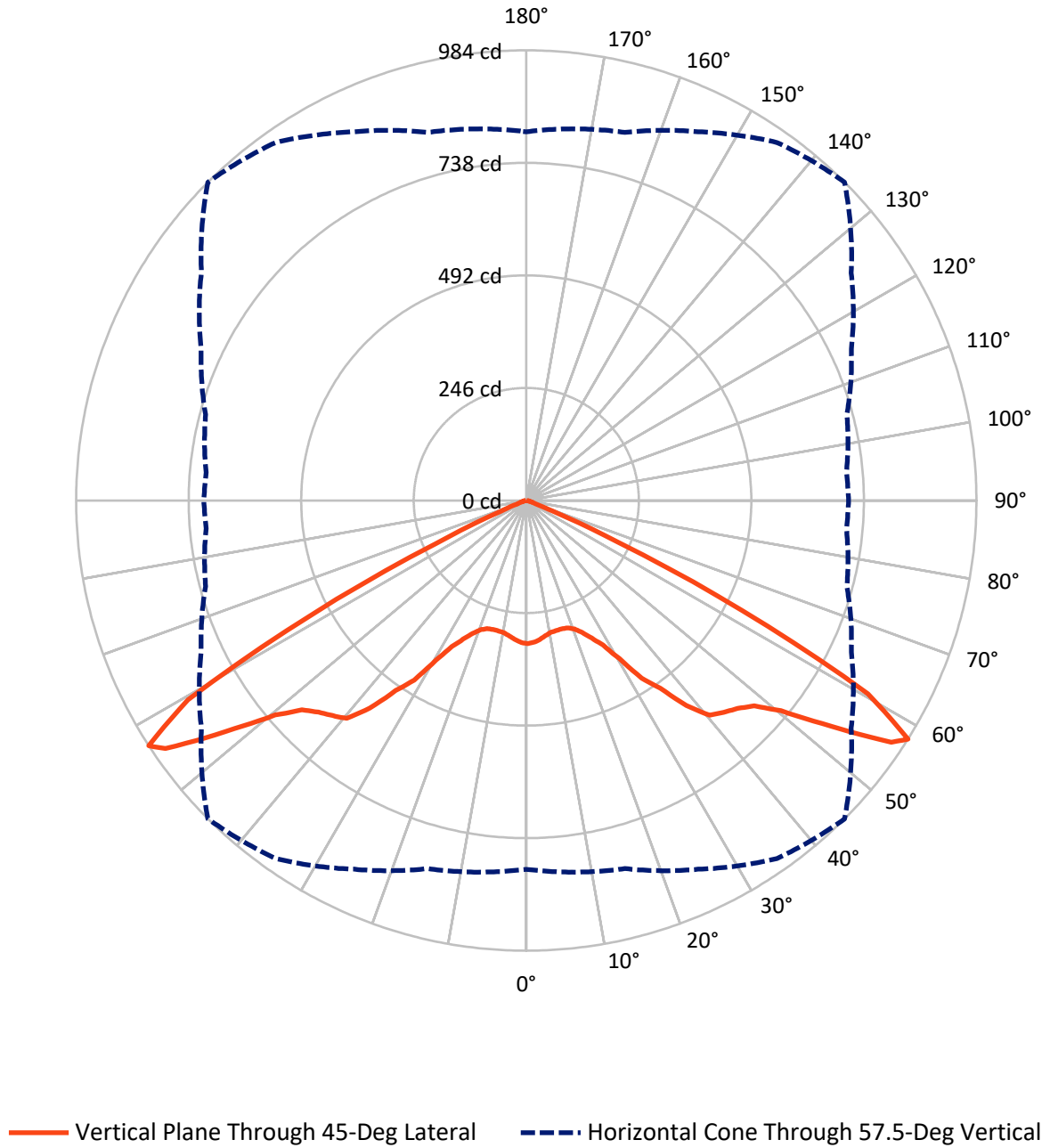
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1009.0	0.0	1009.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1009.0	0.0	1009.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	2018.0	0.0	2018.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.8	1.4
10°-20°	83.1	4.1
20°-30°	153.5	7.6
30°-40°	301.8	15.0
40°-50°	491.6	24.4
50°-60°	701.0	34.7
60°-70°	242.7	12.0
70°-80°	13.0	0.6
80°-90°	2.4	0.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2018.0	100.0
0°-180°	2018.0	100.0

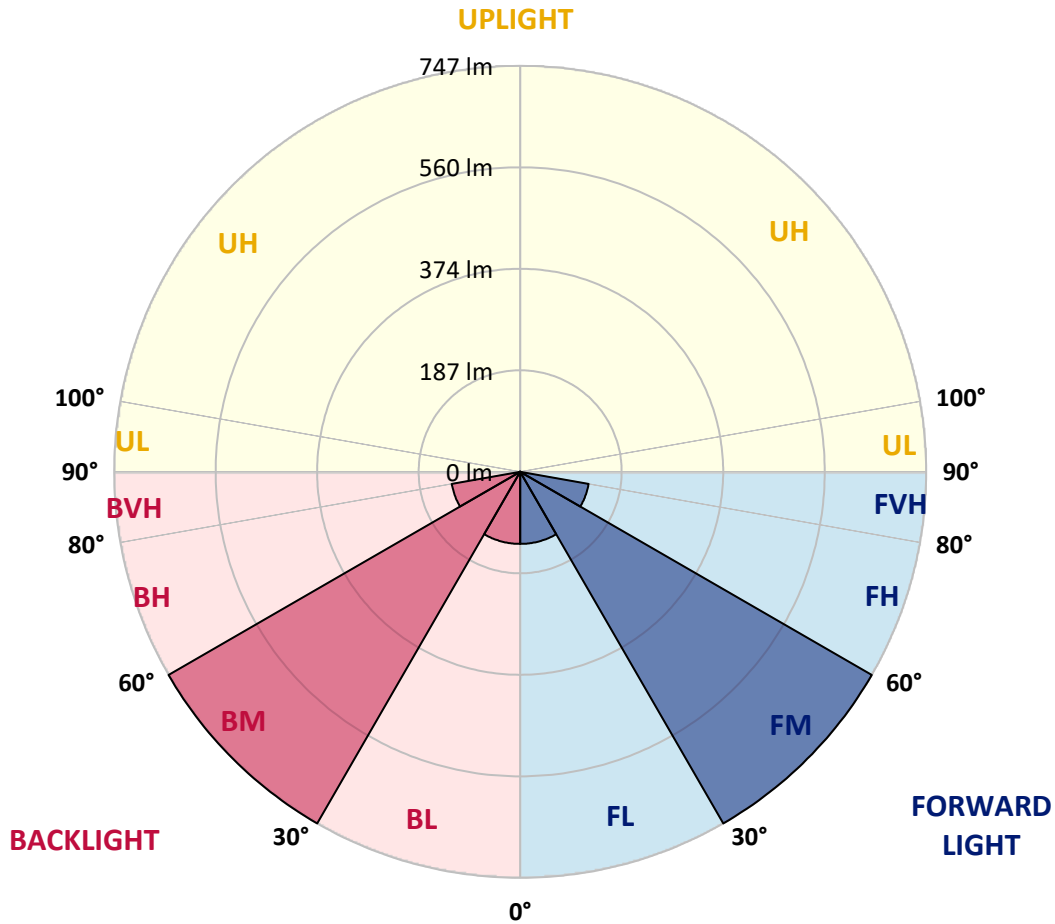


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	132.7	6.6			
FM (30°-60°)	747.2	37.0			
FH (60°-80°)	127.9	6.3			G0/660
FVH (80°-90°)	1.2	0.1			G0/10
BL (0°-30°)	132.7	6.6	B1/500		
BM (30°-60°)	747.2	37.0	B1/1000		
BH (60°-80°)	127.9	6.3	B1/500		G0/660
BVH (80°-90°)	1.2	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G0
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	313.0	313.0	313.0	313.0	313.0	313.0	313.0	313.0	313.0	313.0	313.0
2.5°	312.2	313.9	311.8	310.9	310.5	310.5	309.2	309.2	308.8	309.2	307.5
5°	307.1	308.8	308.8	308.4	305.9	305.4	304.2	303.3	303.8	302.1	303.3
7.5°	302.1	303.3	301.7	301.2	300.4	298.7	298.3	294.5	294.9	294.9	295.8
10°	301.2	300.8	298.3	296.2	293.7	293.2	292.0	291.1	291.1	290.7	292.0
12.5°	301.2	299.1	298.7	294.1	289.9	291.6	288.2	286.1	289.0	289.9	291.6
15°	300.8	302.9	295.8	293.7	290.7	291.1	288.2	286.1	287.8	288.6	289.9
17.5°	303.3	302.1	300.0	295.8	294.5	292.8	289.0	287.3	287.3	289.5	289.9
20°	310.1	306.7	302.5	300.4	301.7	299.6	294.9	288.6	290.3	292.0	293.2
22.5°	316.4	313.9	310.9	309.6	316.8	313.4	305.4	298.3	295.8	298.7	300.8
25°	328.6	328.6	323.1	324.8	332.8	333.2	324.0	311.3	309.6	310.9	311.8
27.5°	353.4	354.7	350.0	351.7	355.1	358.0	350.0	339.5	335.7	335.3	336.6
30°	380.3	382.9	382.4	389.6	399.3	400.9	389.2	371.9	360.6	358.5	360.1
32.5°	415.7	416.9	416.1	424.5	450.6	462.8	432.1	407.7	392.5	396.3	392.5
35°	482.1	480.9	471.6	473.3	494.8	503.6	474.1	458.6	451.4	459.0	457.3
37.5°	539.4	534.7	527.2	538.1	560.4	568.4	537.7	510.3	497.3	509.9	515.4
40°	587.7	576.0	565.4	576.4	606.3	617.2	572.2	549.9	544.8	554.1	565.9
42.5°	628.6	621.0	607.1	607.9	627.7	632.8	596.6	583.5	578.5	593.2	599.1
45°	657.6	650.4	637.4	636.5	651.7	648.3	615.9	607.1	610.0	619.7	622.7
47.5°	672.3	676.1	668.5	670.6	678.6	670.6	645.0	645.0	638.2	644.1	641.2
50°	714.8	703.0	712.7	712.7	721.1	721.9	696.3	687.0	668.9	658.8	658.8
52.5°	764.4	765.3	769.1	783.0	797.3	809.5	772.9	733.3	703.0	690.0	688.3
55°	805.3	813.7	828.8	854.9	896.1	913.0	849.8	779.2	742.1	721.9	717.7
56°	827.5	819.6	845.6	881.4	935.3	957.1	862.5	788.4	747.6	724.9	724.5
57.5°	806.1	814.9	833.0	889.4	955.4	984.1	867.1	784.2	725.7	702.6	704.7
60°	636.5	645.0	669.4	732.5	836.0	858.3	733.7	646.6	594.5	561.2	561.7
62.5°	360.1	366.4	385.4	443.9	508.2	529.7	457.3	399.3	363.1	344.6	338.7
65°	132.5	130.0	132.9	162.8	202.4	220.5	190.2	160.7	141.8	135.0	132.5
67.5°	49.6	45.9	42.9	45.9	57.6	61.0	56.0	46.7	43.8	45.0	45.9
70°	30.7	29.0	23.1	21.9	21.5	21.0	22.3	23.6	26.9	31.6	32.4
72.5°	21.5	20.2	16.4	15.6	14.7	14.3	16.4	18.1	21.0	24.4	24.8
75°	8.4	8.8	8.4	9.3	9.7	10.1	11.8	13.0	14.3	14.3	13.9
77.5°	1.7	1.7	2.5	3.4	4.2	5.5	8.0	9.3	9.7	9.3	8.0
80°	0.0	0.0	0.8	1.7	3.4	4.6	7.2	8.0	8.8	8.0	6.3
82.5°	0.0	0.0	0.8	2.1	3.4	4.2	6.7	8.4	9.7	8.8	6.7
85°	0.0	0.0	0.8	1.7	2.5	2.9	2.9	2.1	2.1	1.3	0.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)